

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
23 October 2003 (23.10.2003)

PCT

(10) International Publication Number
WO 2003/086299 A3

(51) International Patent Classification⁷: **G01N 33/00**,
33/53

(21) International Application Number:
PCT/US2003/010932

(22) International Filing Date: 9 April 2003 (09.04.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/371,010 9 April 2002 (09.04.2002) US

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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
16 September 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: QUANTITATIVE ASSAY OF THE ANGIOGENIC AND ANTIANGIOGENIC ACTIVITY OF A TEST MOLECULE

(57) Abstract: A method of measuring the angiogenic or antiangiogenic activity of a test molecule comprising (i) utilizing a modified CAM assay to assign an FVD value for a test region of interest and comparing this value to an FVD value for a control region of interest, or (ii) utilizing a modified CAM assay to determine the spectrophotometric absorbance value of a test region of interest and comparing this value to the spectrophotometric absorbance value of a control region of interest, wherein a lower value of the test region of interest as compared to the of the control region of interest is indicative of the test molecule being useful as an inhibitor of angiogenesis, and wherein a higher value of the test region of interest as compared to the value of the control region of interest is indicative of the test molecule being useful as a stimulator of angiogenesis.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/10932

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G01N 33/00; 33/53
US CL : 435/7.1; 800/3

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 435/7.1; 800/3

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
east medline biosis caplus

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	VAN GOLDE et al. Hyperoxia and local organ blood flow in the developing chick embryo. J. Physiology. 1999. Vol. 515. No. 1. pg 243-248. See entire article.	1-15
X	MULDER et al. Cardiac output distribution in the chick embryo from stage 36 to 45. Cardiovascular Res. June 1997. Vol. 34. No. 3. pg 525-528. See entire article.	1-15
X	KIMEL et al. Real time fluorescence microscopy monitoring of phrphyrin biodistribution. Proc. SPIE-The Internatl Soc. Optical Engineering. 1996. Vol. 2628 (Optical and Imaging Techniques for Biomonitoring), Pg 69-76. See entire article.	1-15
X	RIZZO et al. Ontogeny of microvascular permeability to macromolecules in the chick chorioallantoic membrane during normal angiogenesis. Microvascular Res. 1995. Vol. 49. pg 49-63. See entire article.	1-15

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☐ See patent family annex.

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Date of the actual completion of the international search

30 September 2003 (30.09.2003)

Date of mailing of the international search report

20 JUL 2004

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